

CLAIMS

What is claimed is:

1. An electrical connection for a shielded cable, comprising:
a spacer block having a first bore;
a spring having a fixed portion attached to said spacer block and having a resilient portion extending into said first bore; and
a housing retaining said spacer block wherein said fixed portion is in pressed contact with an internal surface of said housing.
2. The electrical connection of claim 1 further comprising a collar extending from said housing and a stem forward on said spacer block, said collar receiving said stem.
3. The electrical connection of claim 2 wherein said fixed portion of said spring is disposed about said stem and is in flush contact with an internal surface of said collar.
4. The electrical connection of claim 1 wherein an edge of said spring is in pressed contact with said internal surface upon reception into said housing to scrape a non-conductive oxide layer formed on said internal surface.
5. The electrical connection of claim 1 further comprising a cover overlying said cavity to provide an enclosed interior volume.

6. The electrical connection of claim 1 wherein said spring has a coating of conductive material.

7. The electrical connection of claim 6 wherein said conductive material is selected from the group consisting of tin (Sn), gold (Au) and alloys thereof.

8. The electrical connection of claim 1 wherein said spacer block is formed of an electrically non-conductive material.

9. A shielded cable assembly comprising:

a housing having a cavity and a first bore extending through the housing into the cavity;

a spacer block that is disposed within said cavity and has a second bore formed therethrough;

a contact spring in contact with said housing and extending into said second bore; and

a cable having a conductor with a terminal end, an insulating layer and a shielding layer, said cable inserted into said first and second bores such that said terminal end is located within said spacer block and said contact spring provides electrical continuity between said shielding layer and said housing.

10. The shielded cable assembly of claim 9 wherein said contact spring has a perimeter portion in contact with said housing and a spring tab extending into said second bore.

11. The shielded cable assembly of claim 10 wherein said perimeter portion at least partially surrounds said spacer block.

12. The shielded cable assembly of claim 9 wherein said spacer block further comprises a stem through which said second bore is formed, and wherein said housing includes a collar concentric with said first bore and extending therefrom which receives said stem.

13. The shielded cable assembly of claim 9 wherein an edge of said contact spring is in pressed contact with an internal surface of said housing upon reception into said housing so as to scrape a non-conductive oxide layer formed on said internal surface.

14. The shielded cable assembly of claim 9 further comprising a cover overlying said cavity to provide an enclosed interior volume.

15. The shielded cable assembly of claim 9 wherein said contact spring has a coating of conductive material.

16. The shielded cable assembly of claim 15 wherein said conductive material is selected from the group consisting of tin (Sn), gold (Au) and alloys thereof.

17. The shielded cable assembly of claim 9 wherein said spacer block is formed of an electrically non-conductive material.